State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER G-70-199-AF

Relating to Certification of Gasoline Dispensing Nozzles to the
Liquid Retention Standard of 350 milliliters per 1,000 Gallons Dispensed

WHEREAS, the California Air Resources Board ("CARB") has established, pursuant to California Health and Safety Code sections 39600, 39601 and 41954, certification procedures for systems designed for the control of gasoline vapor emissions during motor vehicle fueling operations in its **CP-201 Certification Procedure for Vapor Recovery Systems of Dispensing Facilities (Certification Procedure)** as last amended July 25, 2001, incorporated by reference into Title 17, California Code of Regulations, section 94011;

WHEREAS, CARB has established, pursuant to California Health and Safety Code sections 39600, 39601 and 41954, test procedures for determining the compliance of vapor recovery systems with emission standards;

WHEREAS, pursuant to California Health and Safety Code section 39600 and 41954, CARB may issue and modify executive orders for the certification of vapor recovery systems;

WHEREAS, on October 10, 2001, CARB issued Executive Order G-70-199-AE: Certification of Gasoline Dispensing Nozzles to the Liquid Retention Standard of 350 Milliliters per 1,000 Gallons Dispensed;

WHEREAS, CARB has subsequently evaluated the OPW 11 VAI-27 nozzle for liquid retention;

WHEREAS, the nozzles listed in Exhibits 1 and 3 have been tested in accordance with **TP-201.2E Gasoline Liquid Retention in Nozzles and Hoses**;

WHEREAS, the Certification Procedure provides that the Executive Officer shall issue an order of certification if he or she determines that the vapor recovery system conforms to all of the applicable requirements set forth in the Certification Procedure; and

WHEREAS, I, Michael P. Kenny, California Air Resources Board Executive Officer, find that the listed nozzles, with the exception of those listed in Exhibit 3, conform with the applicable requirements set forth in the Certification Procedure and result in a vapor recovery system that is at least 95 percent effective for attendant and/or self-serve use at gasoline service stations when the nozzles are used as specified in Exhibits 1 and 2, and when used in conjunction with a CARB-certified Phase I and Phase II vapor recovery system.

NOW, THEREFORE, IT IS HEREBY ORDERED that the nozzles listed in Exhibit 1 are certified to meet the July 1, 2001, liquid retention standard of 350 milliliters, or less, per 1,000 gallons dispensed.

IT IS FURTHER ORDERED that the continued use of installed systems as permitted by Health and Safety Code section 41956.1 shall meet the requirements of CP-201, section 19. Nozzles listed in Exhibit 2 shall be allowed as replacement nozzles in gasoline dispensing facilities installed prior to July 1, 2001, in accordance with this section.

IT IS FURTHER ORDERED that a nozzle specified in an executive order listed in Exhibit 3 shall not be sold, offered for sale, or installed in any new or existing gasoline dispensing facility after July 1, 2001.

IT IS FURTHER ORDERED that any alteration of the equipment, parts, design, or operation of the systems certified hereby is prohibited, and is not compliant with this certification, unless such alteration has been approved by the Executive Officer or his/her designee.

IT IS FURTHER ORDERED that this Executive Order is valid through June 30, 2005, except as otherwise provided in Health & Safety Code sections 41954 and 41956.1 and the Certification Procedure, or until superceded by a modified executive order.

IT IS FUTHER ORDERED that the Liquid Retention Executive Order, G-70-199-AE, issued on October 10, 2001, is hereby superseded by this Executive Order.

Executed at Sacramento, California, this 26th day of October 2001.

Michael P. Kenny
Executive Officer
by

Signed Copy on File

William V. Loscutoff, Chief
Monitoring and Laboratory Division

Attachments:
Exhibit 1 Systems and Nozzles Allowed for New Installations
Exhibit 2 Nozzles Allowed as Replacements in Facilities Installed Prior to July 1, 2001
Exhibit 3 Nozzles Not Allowed for Installation in New or Existing Facilities

Executive Order G-70-199-AF
Exhibit 1
Systems and Nozzles Allowed for New Installations

The following table lists the nozzles that have met the liquid retention standard of 350 milliliters, or less, per 1,000 gallons dispensed. Nozzles listed below may be installed in new gasoline dispensing facilities.

All nozzles (even those not listed in Exhibit 2) may be repaired using certified parts, unless the nozzle is listed in Exhibit 3. Repair parts include non-internal parts such as spouts, bellows and hold open latches.

Executive Order	System	Allowed nozzle
G-70-7	Hasstech VCP-2 and VCP-2A	OPW 11VAI-37
G-70-33	Hirt	Emco Wheaton 4005 Emco Wheaton 4007 Emco Wheaton 4015 Husky V(5) OPW 11VF-47
G-70-52	Balance	Emco Wheaton 4005 Emco Wheaton 4007 Emco Wheaton 4015 Husky V(5) OPW 11VF-47
G-70-150	Marconi (Gilbarco)	Emco Wheaton A4505 Husky V34 6250 OPW 12VW Richards Astrovac
G-70-153	Dresser Wayne	Emco Wheaton A4505 Husky V34 6250 OPW 11VAI-xx xx = 64,69,84,89 OPW 12VW Richards Astrovac
G-70-154	Tokheim	Emco Wheaton A4505 Husky V34 6250 OPW 11VAI-xx xx = 63,68,83,88 Richards Astrovac
G-70-163	OPW VaporEZ	OPW 11VAI-xx xx = 63, 68, 83, 88
G-70-164	Hasstech VCP-3A	OPW 11VAI-37

Exhibit 1 (Continued)

Executive Order	System	Allowed nozzle
G-70-169	Franklin Electric	Husky V34 6250 OPW 11VAI-xx xx = 63,68,83,88
G-70-177	Hirt VCS400-7	OPW 11VA-29
G-70-179	Catlow ICVN-VI	Richards Astrovac
G-70-191	Healy 600 ORVR/800	Healy 800
G-70-196	SaberVac	Husky 6051

Executive Order G-70-199-AF
Exhibit 2
Nozzles Allowed as Replacements in Facilities Installed Prior to July 1, 2001

The following table lists the nozzles which have either met the liquid retention standard of 350 milliliters, or less, per 1,000 gallons dispensed, or are allowed to be used because no other nozzle certified with the system has yet met the standard. Only nozzles listed in this table may be offered for sale, sold, or installed in any gasoline dispensing facility after July 1, 2001.

All nozzles (even those not listed in Exhibit 2) may be repaired using certified parts, unless the nozzle is listed in Exhibit 3. Repair parts include non-internal parts such as spouts, bellows and hold open latches.

Executive Order	System	Allowed nozzle
G-70-7	Hasstech VCP-2 and VCP-2A	OPW 11VAI-37
G-70-33	Hirt	Emco Wheaton 4005 Emco Wheaton 4007 Emco Wheaton 4015 EZ-Flo 11VF EZ-Flo 5005 Husky V(5) OPW 11VF-47
G-70-52	Balance	Emco Wheaton 4005 Emco Wheaton 4007 Emco Wheaton 4015 EZ-Flo 11VF EZ-Flo 5005 Husky V(5) OPW 11VF-47
G-70-118	Amoco	OPW 11V-J51 OPW 11V-J61 OPW 11-VAA Husky Model V-1
G-70-150	Marconi (Gilbarco)	**Lower A/L range - .90 to 1.10** Emco Wheaton A4505 Husky V34 6250 OPW 12VW Richards Astrovac
		Higher A/L range - 1.00 to 1.20 Husky V3 OPW 11VAI-27

Exhibit 2 (Continued)

Executive Order	System	Allowed nozzle
G-70-153	Dresser Wayne	Emco Wheaton A4505 Husky V34 6250 OPW 11VAI-xx xx = 64,69,84,89 OPW 12VW Richards Astrovac
G-70-154	Tokheim	Emco Wheaton A4505 Husky V34 6250 OPW 11VAI-xx xx = 63,68,83,88 Richards Astrovac
G-70-163	OPW VaporEZ	OPW 11VAI-xx xx = 63, 68, 83, 88
G-70-164	Hasstech VCP-3A	OPW 11VAI-37
G-70-165	Healy 600	Healy 600
G-70-169	Franklin Electric	Husky V34 6250 OPW 11VAI-xx xx = 63,68,83,88
G-70-177	Hirt VCS400-7	OPW 11VA-29
G-70-179	Catlow ICVN-VI	Richards Astrovac
G-70-183	Healy Franklin	Healy 600
G-70-186	Healy 400 ORVR	Healy 400 ORVR
G-70-188	Catlow ICVN/Gilbarco VaporVac	Catlow ICVN
G-70-191	Healy 600 ORVR/800	Healy 800
G-70-196	SaberVac	Husky 6051

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Exhibit 3
Nozzles Not Allowed for Installation in New or Existing Facilities

The following table lists the nozzles that have been tested and have failed to meet the liquid retention standard of 350 milliliters, or less, per 1,000 gallons dispensed. Once a nozzle is replaced, it must be replaced with a nozzle from Exhibit 1 or 2.

Nozzles listed in this Exhibit shall not be repaired.

Nozzles Disallowed	Affected Executive Orders
None currently listed (several models are on test)	